

Amendments to the Claim of Priority:

Please add the following paragraph on page 1 following the title:

This application is a Divisional of Application No.10/002,430, filed October 31, 2001.

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-4. (Canceled)

Claim 5. (Original): A four port coupling device including ports 1, 2, 3 and 4, port 1 for receiving an input signal, and having an output appearing across ports 2 and 3 and the input appearing across ports 1 and 4,

a transmission line capacitor coupled between each port and ground,

a first transformer having a first winding connected between ports 1 and 2 and a second winding connected between ports 3 and 4, said first and second windings being coupled in phase, a second transformer having a first winding connected across ports 1 and 4 and a second winding coupled connected across ports 2 and 3, said windings of said second transformer being coupled in phase.

Claim 6. (Original): The coupling device of claim 5 wherein the windings of said first and second transformers respectively are closely coupled.

Claim 7. (Original): The coupling device of claim 6 wherein each winding of the first transformer has an inductance of 33.5 nH, each winding of the second transistor has a value of 47.5 nH and said capacitors each have a capacitance of 45 pF, whereby phases of substantially 90° and 180° respectively are provided at ports 2 and 3 at an input frequency of 170 mHz.

Claim 8. (Original): The coupling device of claim 6 wherein each winding of the second transformer has an inductance of 2.8 nH, each winding of the second transistor has a value of 3.9 nH and said capacitors each have a capacitance of 3.9 pF, whereby phases of substantially 90° and 180° respectively are provided at ports 2 and 3 at an input frequency of 2 GHz.

Claim 9. (Original): A method of providing a 90° phase difference across ports 2 and 3 of a four port coupling device in which the input is applied to port 1 and appears across ports 1 and 4, comprising the steps of: splitting the input at each port between one inductor connected in series to a next port and another inductor connected to a previous port, coupling the windings between ports 1 and 3 and 2 and 4 respectively in phase, coupling the windings connected

between ports 1 and 4 and 2 and 3 respectively in phase, and providing a capacitor coupled between each port and ground to form a transmission line.

Claim 10. (Original): The method of claim 9 further comprising utilizing the coupling device as a low pass filter.